

MAIL STOP PCT

IFW

Docket No. 293775US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Juergen TROPSCH, et al.

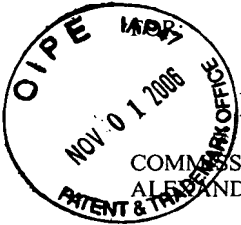
SERIAL NO: 10/588,217

GAU:

FILED: August 2, 2006

EXAMINER:

ALKYL ETHER SULFATES



INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

293775US0PCT

SERIAL NO.

10/588,217

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Juergen TROPSCH, et al.

FILING DATE

August 2, 2006

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|----------|----------------|-------|--------------|-------------------------------|
| | AA | 3 843 706 | 10-22-74 | WEIL, James K. | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|--------------------|----------|----------------------------------------------------------|-------------|----|
| | | | | | YES | NO |
| | AG | 44 36 066 | 04-11-96 | DE (with English abstract) | | NO |
| | AH | 0 167 337 | 01-08-86 | EP (equivalent of US 4594185, US 4608197 and US 4592875) | | NO |
| | AI | 94 11330 | 05-26-94 | WO | | NO |
| | AJ | 1 354 872 | 10-22-03 | EP | | NO |
| | AK | 00 58428 | 10-05-00 | WO | | NO |
| | AL | 99 65972 | 12-23-99 | WO (with English abstract) | | NO |
| | AM | 95 15408 | 06-08-95 | WO (equivalent of US 5 513 766) | | NO |
| | AN | 6 17089 | 01-25-94 | JP (with English abstract) | | NO |
| | AO | 6 17088 | 01-25-94 | JP (with English abstract) | | NO |
| | AP | | | | | |
| | AQ | | | | | |
| | AR | | | | | |
| | AS | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|--|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | AT | WEIL, James K. et al., "Oxypropylation of Fatty Alcohols, and the Sulfation Products", Journal of American Oil Chemists' Society, Vol. 43, pgs. 157-160, 1966. |
| | AU | SHINODA, Kozo et al., "Ionic Surfactants Soluble in Hard Water and in Hydrocarbons: Behavior of Organized Surfactant Solutions as a Function of the Hydrophilic-Lipophilic Balance", Journal of Physical Chemistry, Vol. 90, No. 7, pgs. 1228-1230, 1986. |
| | AV | WEIL, James K. et al., "Synthesis and Surface Active Properties of Long Chain Ether Alcohol Sulfates R(OCH ₂ CHR') ₂ OSO ₃ Na", Chim. Phys. Appl. Prat. Ag. Surface, C. R. Congr. Int. Deterg. 5 th , Vol. 1, pgs. 45-51, 1969. |
| | AW | MURATA, M. et al., "New Anionic Surfactants Being Resistant to hard Water: Sodium Alkyl Ether Sulfates Having Oxypropylene Groups", Comun. Journ. Com. Esp. Deterg., 1981. (Abstract Only) |
| | AX | MINANA-PEREZ, Matilde et al., "Sulubilization of Polar Oils With Extended Surfactants", Colloids Surfaces A : Physicochem. Eng. Aspects, Vol. 100, pgs. 217-224, 1995. |
| | AY | |
| | AZ | |

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No: 10/588,217

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Juergen TROPSCH, et al.

Docket No. 293775US0PCT

STATEMENT OF RELEVANCY

- 1) References AA, AG - AI and AT - AX have been cited in the International Search Report. A copy of these references is being submitted herewith.
- 2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
- 3) References AJ - AO are discussed in the specification. A copy of these references is being submitted herewith.
- 4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.